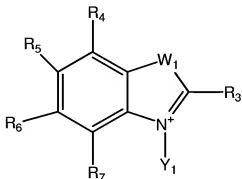


This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (CURRENTLY AMENDED) A composition comprising a pharmaceutically acceptable formulation of formula 1



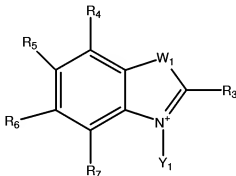
Formula 1

wherein R₃ is C₁-C₁₀ alkyl; R₄ to R₇ are independently selected from the group consisting of -H, C₁-C₁₀ alkoxy, C₁-C₁₀ polyalkoxyalkyl, C₁-C₂₀ polyhydroxyalkyl, C₅-C₂₀ polyhydroxyaryl, saccharides, amino, cyano, nitro, halogen, hydrophilic peptides, arylpolysulfonates, C₁-C₁₀ alkyl, C₁-C₁₀ aryl, -SO₃T, -CO₂T, -OH, -(CH₂)_aSO₃T, -(CH₂)_aOSO₃T, -(CH₂)_aNHSO₃T, -(CH₂)_aCO₂(CH₂)_bSO₃T, -(CH₂)_aOCO(CH₂)_bSO₃T, -(CH₂)_aCONH(CH₂)_bSO₃T, -(CH₂)_aNHCO(CH₂)_bSO₃T, -(CH₂)_aNHCONH(CH₂)_bSO₃T, -(CH₂)_aNHCSNH(CH₂)_bSO₃T, -(CH₂)_aOCONH(CH₂)_bSO₃T, -(CH₂)_aPO₃HT, -(CH₂)_aPO₃T₂, -(CH₂)_aOPO₃HT, -(CH₂)_aOPO₃T₂, -(CH₂)_aNHPO₃HT, -(CH₂)_aNHPO₃T₂, -(CH₂)_aCO₂(CH₂)_bPO₃HT, -(CH₂)_aCO₂(CH₂)_bPO₃T₂, -(CH₂)_aOCO(CH₂)_bPO₃HT, -(CH₂)_aOCO(CH₂)_bPO₃T₂, -(CH₂)_aCONH(CH₂)_bPO₃HT, -(CH₂)_aCONH(CH₂)_bPO₃T₂, -(CH₂)_aNHCO(CH₂)_bPO₃HT, -(CH₂)_aNHCO(CH₂)_bPO₃T₂, -(CH₂)_aNHCONH(CH₂)_bPO₃HT, -(CH₂)_aNHCONH(CH₂)_bPO₃T₂, -(CH₂)_aNHCSNH(CH₂)_bPO₃HT, -(CH₂)_aNHCSNH(CH₂)_bPO₃T₂, -(CH₂)_aOCONH(CH₂)_bPO₃HT, -(CH₂)_aOCONH(CH₂)_bPO₃T₂, -CH₂(CH₂-O-CH₂)_c-CH₂-OH, -(CH₂)_d-CO₂T, -CH₂-(CH₂-O-CH₂)_e-CH₂-CO₂T, -(CH₂)_f-NH₂, -CH₂-(CH₂-O-CH₂)_g-CH₂-NH₂, -(CH₂)_h-N(R_a)-(CH₂)_i-CO₂T, and -(CH₂)_j-N(R_a)-CH₂-(CH₂-O-CH₂)_k-CH₂-CO₂T; Y₁ is independently selected from the group consisting of C₁-C₁₀ polyalkoxyalkyl, C₁-C₂₀ polyhydroxyalkyl, C₅-C₂₀ polyhydroxyaryl, saccharides, C₁-C₁₀ aminoalkyl, hydrophilic peptides, arylpolysulfonates, C₁-C₁₀ aryl, -(CH₂)_aSO₃T, -(CH₂)_aOSO₃T, -(CH₂)_aNHSO₃T, -(CH₂)_aCO₂(CH₂)_bSO₃T, -(CH₂)_aOCO(CH₂)_bSO₃T, -(CH₂)_aCONH(CH₂)_bSO₃T, -(CH₂)_aNHCO(CH₂)_bSO₃T, -(CH₂)_aNHCONH(CH₂)_bSO₃T, -(CH₂)_aNHCSNH(CH₂)_bSO₃T, -(CH₂)_aOCONH(CH₂)_bSO₃T, -(CH₂)_aPO₃HT, -(CH₂)_aPO₃T₂, -(CH₂)_aOPO₃HT, -(CH₂)_aOPO₃T₂, -(CH₂)_aNHPO₃HT, -(CH₂)_aNHPO₃T₂, -(CH₂)_aCO₂(CH₂)_bPO₃HT, -(CH₂)_aCO₂(CH₂)_bPO₃T₂, -(CH₂)_aOCO(CH₂)_bPO₃HT, -(CH₂)_aOCO(CH₂)_bPO₃T₂, -(CH₂)_aCONH(CH₂)_bPO₃HT, -(CH₂)_aCONH(CH₂)_bPO₃T₂, -(CH₂)_aNHCO(CH₂)_bPO₃HT, -(CH₂)_aNHCO(CH₂)_bPO₃T₂,

$-(CH_2)_aNHCONH(CH_2)_bPO_3HT$, $-(CH_2)_aNHCONH(CH_2)_bPO_3T_2$, $-(CH_2)_aNHCSNH(CH_2)_bPO_3HT$, $-(CH_2)_aNHCSNH(CH_2)_bPO_3T_2$, $-(CH_2)_aOCONH(CH_2)_bPO_3HT$, $-(CH_2)_aOCONH(CH_2)_bPO_3T_2$, $CH_2(CH_2-O-CH_2)_c-CH_2-OH$, $-(CH_2)_d-CO_2T$, $CH_2-(CH_2-O-CH_2)_e-CH_2-CO_2T$, $-(CH_2)_f-NH_2$, $CH_2-(CH_2-O-CH_2)_g-CH_2-NH_2$, $-(CH_2)_h-N(R_a)-(CH_2)_i-CO_2T$, and $-(CH_2)_j-N(R_b)-CH_2-(CH_2-O-CH_2)_k-CH_2-CO_2T$; W_1 is selected from the group consisting of $-CR_cR_d$, $-O-$, $-NR_e$, $-S-$, and $-Se$; a, b, d, f, h, i , and j independently vary from 1-10; c, e, g , and k independently vary from 1-100; R_a, R_b, R_c , and R_d are defined in the same manner as Y_1 ; and T is either H or a negative charge.

2-3. (CANCELLED)

4. (WITHDRAWN) A method for performing a diagnostic procedure which comprises administering to an individual an effective amount of a composition comprising formula 1



Formula 1

wherein R_3 to R_7 , and Y_1 are independently selected from the group consisting of $-H$, C1-C10 alkoxyl, C1-C10 polyalkoxyalkyl, C1-C20 polyhydroxyalkyl, C5-C20 polyhydroxyaryl, saccharides, amino, C1-C10 aminoalkyl, cyano, nitro, halogen, hydrophilic peptides, arylpolysulfonates, C6-C10 alkyl, C1-C10 aryl, $-SO_3T$, $-CO_2T$, $-OH$, $-(CH_2)_aSO_3T$, $-(CH_2)_aOSO_3T$, $-(CH_2)_aNH_2SO_3T$, $-(CH_2)_aCO_2(CH_2)_bSO_3T$, $-(CH_2)_aOCO(CH_2)_bSO_3T$, $-(CH_2)_aCONH(CH_2)_bSO_3T$, $-(CH_2)_aNHCO(CH_2)_bSO_3T$, $-(CH_2)_aNHCONH(CH_2)_bSO_3T$, $-(CH_2)_aNHCSNH(CH_2)_bSO_3T$, $-(CH_2)_aOCONH(CH_2)_bSO_3T$, $-(CH_2)_aPO_3HT$, $-(CH_2)_aPO_3T_2$, $-(CH_2)_aOPO_3HT$, $-(CH_2)_aOPO_3T_2$, $-(CH_2)_aNHPO_3HT$, $-(CH_2)_aNHPO_3T_2$, $-(CH_2)_aCO_2(CH_2)_bPO_3HT$, $-(CH_2)_aCO_2(CH_2)_bPO_3T_2$, $-(CH_2)_aOCO(CH_2)_bPO_3HT$, $-(CH_2)_aOCO(CH_2)_bPO_3T_2$, $-(CH_2)_aCONH(CH_2)_bPO_3HT$, $-(CH_2)_aCONH(CH_2)_bPO_3T_2$, $-(CH_2)_aNHCO(CH_2)_bPO_3HT$, $-(CH_2)_aNHCO(CH_2)_bPO_3T_2$, $-(CH_2)_aNHCONH(CH_2)_bPO_3T_2$, $-(CH_2)_aNHCSNH(CH_2)_bPO_3HT$, and $-(CH_2)_aOCONH(CH_2)_bPO_3T_2$, $CH_2(CH_2-O-CH_2)_c-CH_2-OH$, $-(CH_2)_d-CO_2T$, $CH_2-(CH_2-O-CH_2)_e-CH_2-CO_2T$, $-(CH_2)_f-NH_2$, $CH_2-(CH_2-O-CH_2)_g-CH_2-NH_2$, $-(CH_2)_h-N(R_a)-(CH_2)_i-CO_2T$, and $-(CH_2)_j-N(R_b)-CH_2-(CH_2-O-CH_2)_k-CH_2-CO_2T$; W_1 is selected from the group consisting of $-CR_cR_d$, $-O-$, and $-NR_e$; a, b, d, f, h, i , and j

independently vary from 1-10; c, e, g, and k independently vary from 1-100; R_a, R_b, R_c, and R_d are defined in the same manner as Y₁; T is either H or a negative charge.

5. (WITHDRAWN) The method for performing the diagnostic or therapeutic procedure of claim 4 which comprises administering to an individual an effective amount of the composition wherein R₃ to R₇, and Y₁ are independently selected from the group consisting of C1-C5 alkoxy, C1-C5 polyalkoxyalkyl, C1-C10 polyhydroxyalkyl, C5-C20 polyhydroxyaryl, mono- and disaccharides, nitro, hydrophilic peptides, arylpolysulfonates, C1-C10 aryl, -SO₃T, -CO₂T, -OH, -(CH₂)_aSO₃T, -(CH₂)_aOSO₃T, -(CH₂)_aNHSO₃T, -(CH₂)_aCO₂(CH₂)_bSO₃T, -(CH₂)_aOCO(CH₂)_bSO₃T, -CH₂(CH₂-O-CH₂)_c-CH₂-OH, -(CH₂)_d-CO₂T, -CH₂-(CH₂-O-CH₂)_e-CH₂-CO₂T, -(CH₂)_f-NH₂, -CH₂-(CH₂-O-CH₂)_g-CH₂-NH₂, -(CH₂)_h-N(R_a)-(CH₂)_i-CO₂T, and -(CH₂)_j-N(R_b)-CH₂-(CH₂-O-CH₂)_k-CH₂-CO₂T; W₁ is selected from the group consisting of -CR_cR_d, -O-, and -NR_c; a, b, d, f, h, i, and j independently vary from 1-5; c, e, g, and k independently vary from 1-20; R_a, R_b, R_c, and R_d are defined in the same manner as Y₁; T is a negative charge.

6. (WITHDRAWN) The method for performing the diagnostic or therapeutic procedure of claim 5 which comprises administering to an individual an effective amount of the composition wherein each R₃, R₄, R₆ and R₇ is H, R₅ is SO₃T, Y₁ is -(CH₂)₃SO₃T; W₁ is -C(CH₃)₂; T is a negative charge.

7. (WITHDRAWN) The method of claim 4 wherein said procedure utilizes light of wavelength in the region of 350-1300 nm.

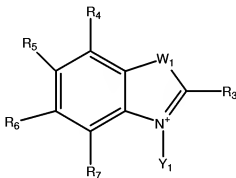
8. (WITHDRAWN) The method of claim 4 wherein said diagnostic procedure comprises monitoring a blood clearance profile by fluorescence wherein light of wavelength in the region of 350 to 1300 nm is utilized.

9. (WITHDRAWN) The method of claim 4 wherein said diagnostic procedure comprises monitoring a blood clearance profile by absorption wherein light of wavelength in the region of 350 to 1300 nm is utilized.

10. (WITHDRAWN) The method of claim 4 wherein said procedure is for physiological function monitoring.

11. (WITHDRAWN) The method of claim 10 wherein the diagnostic procedure is for renal function monitoring.

12. (WITHDRAWN) The method of claim 10 wherein the diagnostic procedure is for cardiac function monitoring.
13. (WITHDRAWN) The method of claim 10 wherein the diagnostic procedure is for kidney function monitoring.
14. (WITHDRAWN) The method of claim 10 wherein the diagnostic procedure is for determining organ perfusion in vivo.
15. (CANCELLED)
16. (WITHDRAWN) A method for performing a diagnostic procedure which comprises administering to an individual an effective amount of formula 1



Formula 1

wherein R_3 to R_7 , and Y_1 are independently selected from the group consisting of -H, C1-C10 alkoxy, C1-C10 polyalkoxyalkyl, C1-C20 polyhydroxyalkyl, C5-C20 polyhydroxyaryl, saccharides, amino, C1-C10 aminoalkyl, cyano, nitro, halogen, hydrophilic peptides, arylpolysulfonates, C6-C10 alkyl, C1-C10 aryl, $-\text{SO}_3\text{T}$, $-\text{CO}_2\text{T}$, $-\text{OH}$, $-(\text{CH}_2)_a\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{OSO}_3\text{T}$, $-(\text{CH}_2)_a\text{NHSO}_3\text{T}$, $-(\text{CH}_2)_a\text{CO}_2(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{OCO}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{CONH}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{NHCO}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{NHCONH}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{NHCSNH}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{OCONH}(\text{CH}_2)_b\text{SO}_3\text{T}$, $-(\text{CH}_2)_a\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{OPO}_3\text{HT}$, $-(\text{CH}_2)_a\text{OPO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{NHPO}_3\text{HT}$, $-(\text{CH}_2)_a\text{NHPO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{CO}_2(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{CO}_2(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{OCO}(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{OCO}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{CONH}(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{CONH}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{NHCO}(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{NHCO}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{NHCONH}(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{NHCONH}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{NHCSNH}(\text{CH}_2)_b\text{PO}_3\text{HT}$, $-(\text{CH}_2)_a\text{NHCSNH}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-(\text{CH}_2)_a\text{OCONH}(\text{CH}_2)_b\text{PO}_3\text{HT}$, and $-(\text{CH}_2)_a\text{OCONH}(\text{CH}_2)_b\text{PO}_3\text{T}_2$, $-\text{CH}_2(\text{CH}_2\text{-O-CH}_2)_c\text{-CH}_2\text{-OH}$, $-(\text{CH}_2)_d\text{-CO}_2\text{T}$, $-\text{CH}_2\text{-(CH}_2\text{-O-CH}_2)_e\text{-CH}_2\text{-CO}_2\text{T}$, $-(\text{CH}_2)_f\text{-NH}_2$, $-\text{CH}_2\text{-(CH}_2\text{-O-CH}_2)_g\text{-CH}_2\text{-NH}_2$, $-(\text{CH}_2)_h\text{-N(R}_a\text{)-(CH}_2)_i\text{-CO}_2\text{T}$, and $-(\text{CH}_2)_j\text{-N(R}_b\text{)-CH}_2\text{-(CH}_2\text{-O-CH}_2)_k\text{-CH}_2\text{-}$

CO₂T; W₁ is selected from the group consisting of -CR_cR_d, -O-, -NR_c, and -S-; a, b, d, f, h, i, and j independently vary from 1-10; c, e, g, and k independently vary from 1-100; R_a, R_b, R_c, and R_d are defined in the same manner as Y₁; T is either H or a negative charge; with the proviso that when W₁ is -S-, R₃-R₇ are not -H or C1-C10 alkyl; and Y₁ is not -H.

17. (NEW) The composition of claim 1 wherein R₃ is C₁ alkyl.

18. (NEW) The composition of claim 17 wherein Y₁ is selected from the group consisting of -(CH₂)_aNHSO₃T, -CH₂-(CH₂-O-CH₂)_g-CH₂-NH₂, and -(CH₂)_h-N(R_a)-(CH₂)_i-CO₂T.

19. (NEW) The composition of claim 17 wherein each of R₄ to R₇ is independently -H or -SO₃T.

20. (NEW) The composition of claim 18 wherein each of R₄ to R₇ is independently -H or -SO₃T.

21. (NEW) The composition of claim 1 wherein Y₁ is selected from the group consisting of -(CH₂)_aNHSO₃T, -CH₂-(CH₂-O-CH₂)_g-CH₂-NH₂, and -(CH₂)_h-N(R_a)-(CH₂)_i-CO₂T.

22. (NEW) The composition of claim 21 wherein each of R₄ to R₇ is independently -H or -SO₃T.

23. (NEW) The composition of claim 1 wherein each of R₄ to R₇ is independently -H or -SO₃T.

24. (NEW) The composition of claim 1 wherein Y₁ is -(CH₂)_aNHSO₃T.

25. (NEW) The composition of claim 1 wherein Y₁ is -CH₂-(CH₂-O-CH₂)_g-CH₂-NH₂.

26. (NEW) The composition of claim 1 wherein Y₁ is -(CH₂)_h-N(R_a)-(CH₂)_i-CO₂T.